

# Predators and Prey

Name: \_\_\_\_\_

Period: \_\_\_\_\_

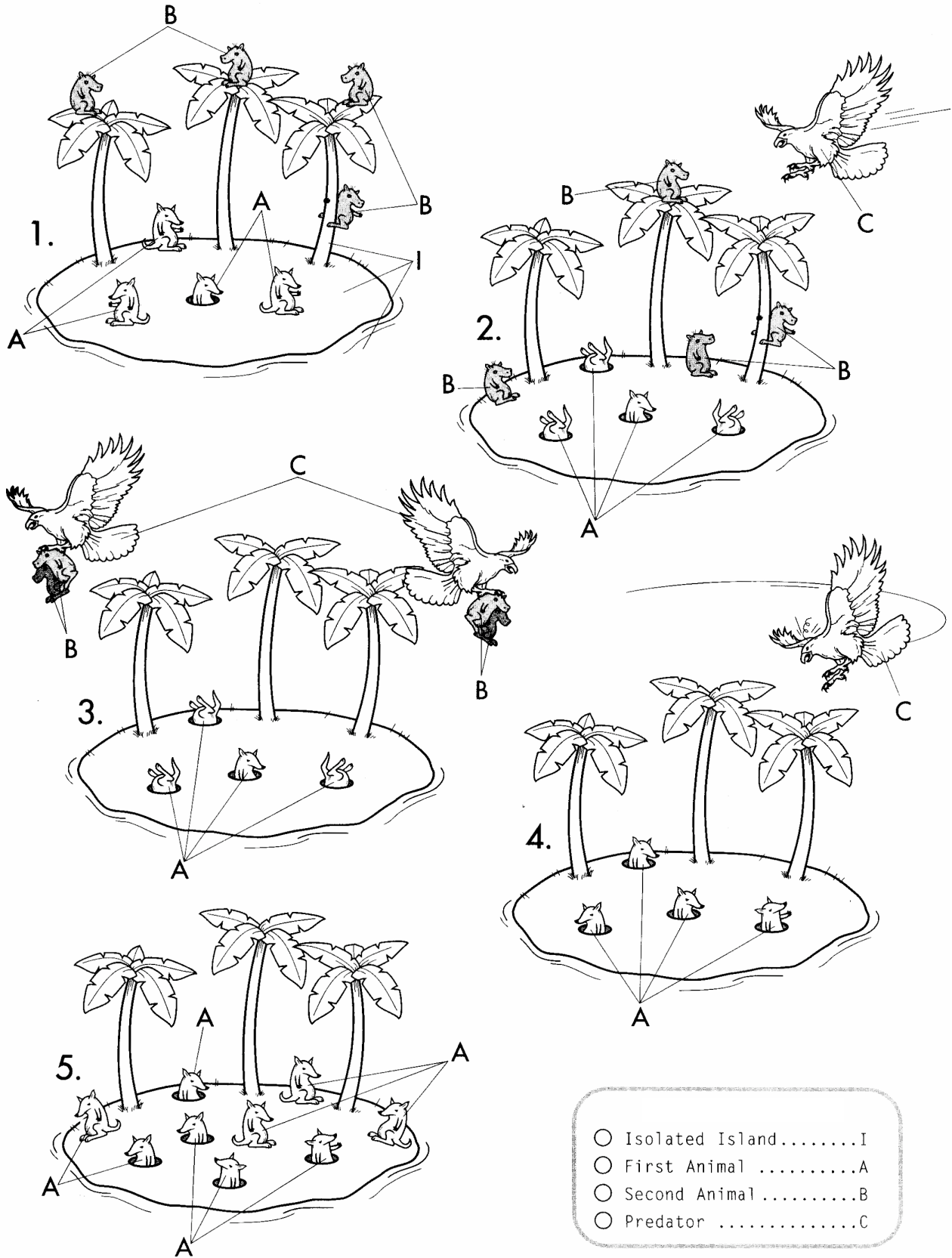


diagram from The Princeton Review Biology Coloring Book (1998) by I. Edward Alcamo

Work: 9 points

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Follow the directions below to color-code the diagram and to answer the questions. Use colored pencils, and check off each box  as you finish that part of the instructions.

For this exercise, you will be seeing how predator and prey relationships can change in an island ecosystem.

Take a look at the imaginary island in the diagram. In all 5 pictures, color the island in this way:

leaves and trunk of trees with green

ground of the island with yellow

You will now observe what happens over time on the island. As you analyze each step, color the First Animals (A) with orange, and the Second Animals (B) with purple. For the Predator (C) use brown.

**Step 1**—Color the animals  .

Where does animal A live on the island? \_\_\_\_\_

Where does animal B live on the island? \_\_\_\_\_

**Step 2**—Color the animals  .

What does animal A do when the predator arrives? \_\_\_\_\_

What does animal B do when the predator arrives? \_\_\_\_\_

**Step 3**—Color the animals  .

Which animal gets captured by the predator, A or B? \_\_\_\_\_

Why does this animal get captured, and not the other one? \_\_\_\_\_

\_\_\_\_\_

**Step 4**—Color the animals  .

Why isn't the predator able to capture any more animals on this island? \_\_\_\_\_

\_\_\_\_\_

**Step 5**—Color the animals  .

What has happened to the size of the population of the remaining animals on the island?

\_\_\_\_\_

Why isn't the predator around any more? \_\_\_\_\_

\_\_\_\_\_